Course Objective

This course is designed to *prepare students to pursue pilot career development in HK and illustrate the basic theories required as a recreation pilot by CASA.* It also provides comprehensive information about Hong Kong aviation industries.

Lesson	Content
1	Hong Kong Aviation Industry Development - Airlines - Non-Airlines
2	Aircraft General Knowledge - Different types of aircraft - Aircraft components (external) and their working principles
3	Aircraft General Knowledge - Aircraft components (internal) and their working principles
4	Aerodynamics Three axises of motion Four forces in level, turn, climb and descend Rate of climb & angle of climb
5	Aerodynamics - Lift formula and its relationship with Angle of Attack, wing surface and speed - Stall, spin and spiral dive
6	Air Law - Airmanship - Air law in Australia
7	Meteorology - Precipitation - Weather Decoding
8	Human Factors - eyes, ears and brain - disorientation and illusion
9	Aircraft performance - Takeoff/landing performance - mass and balance, stabilities
10	Radio Operations frequency range used in aviation radiotelephony
11	Navigation - 1 in 60 & different type of headings - Introduction to flight computer
12	Examination, Demonstration and Practice
13	Insider Sharing

Graduation Criteria:

Trainees will be awarded the Certificate if they have fulfilled the following course requirements:

- i) Attain an attendance of 80% or above;
- ii) Pass the overall assessment; and
- iii) Pass the final examination.